Work Orde July-23-13 1:03		05039		*10	50:	39*						Page 1	_
Item ID: Revision ID: Item Name:	D4018-1	.s = + x 2 . 15.		Accept	*	1900	<u> </u>	100)* s	etup Start Stop	I VI	S1* S2*	_
Start Date: Required Date: Reference:	7/23/13 7/23/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* ^ *1* 0)		Cust Item II Customer:	D:	_	n	Stand			
Approvals:	Process P QC:	Plan: MLJ.	Dad	Tooling: SPC (Y/N):			ite:	 .	К	un Start Stop	i	R1* R2*	
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours		Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr	Re	evision Nbr									٠		
D4018	С				==	:							
*100 *100* Large Fab Large Fab			as per dwg D4018 d remove identification mark	0.00 0.00 xings						_B-0	K12	lD	
110 *110* QC Quality Control		QC6- Inspect dimension Memo	ns to drawing	0.00	0AS 24 9-4	13.8./	6		2	P		· · · · · · · · · · · · · · · · · · ·	
120 *120* Packaging Packaging		. Identify as per dwg & S Memo	tock Location: WAL	0.00	OAS 24 9-89	13.8.16	2		2				

DQA: Date:

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

	., .,								QA Closed:	Date	<u>e:</u>
Work Order	, .				DISPOSITION			AGAINST DE	PARTMENT,	/PROCESS	
Part No	o				Rework Scrap Use-as-is Work Order Update	Scrap Machining Small Fab Use-as-is Thermoforming Finishing			4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
					\	<u> </u>					
Root				Descri	ption of work order update	Initia	l Ac	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Chief E	ng Desc	ription	Date	Verification	QC Inspector
Doc/Data											· ·
Equip/Tooling											
Operator						Ì					
Material											
Setup			•								
Other		1									
Process			1 1							ı	
Supplier											
Training							İ		}		
Jnapproved		[1
				·	F	AULT CA	TEGORY				-
Landing	g Gear			•	General				<u>-</u> "		
Γ	Bending				Bend	Grai	n	Γ	Ovalized		Pressure/Forced
	Centre No	ot Concei	ntric to (o/s	BOM/Route	Hard	iware		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	Insp	ection Incomplete		Part Incorred	at T	Weld
1	Crushed/	Crimped			Burrs	Instr	uctions Incomplete/	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
ľ	Cuffs				Contamination	Mai	ntenance		Part Moved	_	_
- 	Heat Trea	it			Countersink	Misl	abeled		Positioned V	Vrong	
	Inspection	n Strip in	Tube		Cut Too Short	Misr	ead		Power Loss/:		Other
<u> </u>	Ripples in	•			Drill Holes	Offs	et			_	<u> </u>
ļ	Torque W		xtrusion	n —	Drawing	Out	of Calibration				
<u> </u>	Turning S				Finish	—	of Sequence				
Ī	Wave/Tw			ļ	Folio	-	ide Dimensions				

Work Ord July-23-13 1:0.		105039			Page 2					
Item ID: Revision ID: Item Name:	D4018-1	i	·	Accept	*N90004	40100	*	Setup	Start Stop	*NS1* *NS2*
Start Date: Required Date Reference:	7/23/13 : 7/23/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:					
Approvals:	Process QC: _	s Plan:	Date:	Tooling: SPC (Y/N):	Date:		·	Run	Start Stop	*NR1* *NR2*
Sequence ID/ Work Center I 130 *130* QC Quality Control	D	Operation Description QC21- Final Inspection - Memo	Work Order Release	Set Up/ Run Hours 0.00	Tool ID To	ool# Plan Code	Accept Qty	Qty		Reject Insp. Number Stamp

												DQA:	va	ite:	
NCR:	Yes	/ No				WORK ORDER NON-C	COI	NFOR	MANCE / UP	DATE		QA Closed:	Da	ıte:	
Work Ord	or.	·				DISPOSITION				AGAINST (DE	PARTMENT		icc.	
Part	-		<u>.</u> .	-					Crosstube Small Fab		Pro	Water Jet d. Eng. Coor.	\vdash	Engineering Quality	
NCR	•					Use-as-is Work Order Update			noforming Large Fab	Finishing Composite		1	e/Packaging Supplier		Other
Root				[Descri	ption of work order update		nitial	Act	tion		Sign &			
Cause		Date	Step	Qty	1	or Non-conformance	Ch	ief Eng	Desci	ription		Date	Verificatio	n	QC Inspector
Doc/Data	П	. <u>.</u>	<u> </u>					<u>-</u>							
Equip/Tooling]								
Operator	П	ı													
Material	П		1												
Setup		İ	1												i
Other	П]						
Process			1												
Supplier	П	i	1.				1								
Training	П				,										
Unapproved	П			ļ	<u> </u>		l								
						F	AUI	T CATE	GORY				<u> </u>		
Landi	ng G	iear				General							.,		
		Bending				Bend	Γ	Grain		Γ		Ovalized			Pressure/Forced
	Centre Not Concentric to O/S BOM/Route						Hardware				Over/Under	tolerance		Temperature/Cure	
	Cracks Broken/Damaged						Inspect	ion Incomplete	Ī		Part Incorred	t		Weld	

Instructions Incomplete/Unclear

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Part Lost/Missing

Power Loss/Surge

Part Moved
Positioned Wrong

Wrong Stock Pulled

Other

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Crushed/Crimped

Inspection Strip in Tube

Torque Waves in Extrusion

Cuffs

Heat Treat

Burrs

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Picklist Print

July-23-13 1:03:30 PM

Work Order ID:

105039

Parent Item:

D4018-1

Parent Item Name:

Rib

Start Date: 7/23/13

Required Date: 7/23/13

Page 1

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP RcvA: new issue DD 09.11.26 verified by:EC

verified by:EC IPP Rev:B as per dwg revA IPP Rev:C as per dwg RevB DD 10.04.16 verified by:EC

10.03.15 verified by:EC

IPP Rev:D as per dwg revC DD 10.08.18 verified by:EC

IPP Rev:E 11.01.31 chg qc5 to

6 DD verified by:ec

	o DD vernied by:													
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status	
M304TS0.750W.049 304 SQ Tube .75x.75x.049	9W	Purchased	No		 . :	100	f	1,415.7475	4.73	4.9789474		B-05	12_{	<u> </u>
				Location		Loc Oty	<u>Lo</u>	c Code						
				MAT017		6.2898754								
				12	24492	6.2898754								
				WA006		1409.457649								
				12	23484	28.9999555								
					25124	205.405667								
				2	25575	140.202777			<u> (4.9</u>	5 29.9	b			
				M	1126039	434.84925								
				M	1126364	600								

NCR:	Yes	/ No				WORK ORDER NON-	COI	NFORM	AANCE / UPDATE					
										C	(A Closed:	D	ate:	
Work Orde	er:					DISPOSITION			AGAINST	DEP	ARTMENT	/PROCESS		
Part I	- No					Rework Skid-tube Crosstube Scrap Machining Small Fab Use-as-is Thermoforming Finishing Work Order Update Large Fab Composite			Prod. Eng. Coor. Rec/Store/Packaging			r. g	Engineering Quality Other	
Root					Descri	ption of work order update		Initial	Action'		Sign &			
Cause	l	Date	Step	Qty		or Non-conformance	Ch	nief Eng	Description		Date	Verificati	on	QC Inspector
Doc/Data	Ш						İ							
Equip/Tooling			ľ				l							
Operator														
Material	Ш													•
Setup	Ш]	1										
Other	Ш									1				
Process										ı				
Supplier	Ш			i !										
Training	Ш			1										
Unapproved			<u> </u>											<u> </u>
						F	AUI	LT CATE	GORY					
Landi	$\overline{}$				_	General	_	7	Г	_			_	1
	-	Bending				Bend	<u> </u>	Grain	1	_)valized		\vdash	Pressure/Forced
	${f H}$	Centre No	ot Conce	ntric to C)/5	BOM/Route	\perp	Hardwa		_	ver/Under		<u> </u>	Temperature/Cure
	Н	Cracks			<u> </u>	Broken/Damaged		- 1 '	on incomplete	_	art Incorrec		\vdash	Weld
	-	Crushed/	Crimped		<u> </u>	Burrs	<u> </u>	1	ions Incomplete/Unclear	_	art Lost/Mi	ssing	<u> </u>	Wrong Stock Pulled
•	$\boldsymbol{\vdash}$	Cuffs				Contamination	<u></u>	Mainte			art Moved			
	↤	Heat Trea				Countersink		Mislabe	led	_	ositioned W	=	_	7
	-	Inspectio		Tube	_	Cut Too Short	_	Misread	l	P	ower Loss/S	Surge	L	Other
		Ripples in	Bend			Drill Holes	_	Offset		_				
	1 1	Torque M	laves in F	vtrusion		Drawing	ı	Out of C	alibration					

Out of Sequence

Outside Dimensions

DQA:

Date:

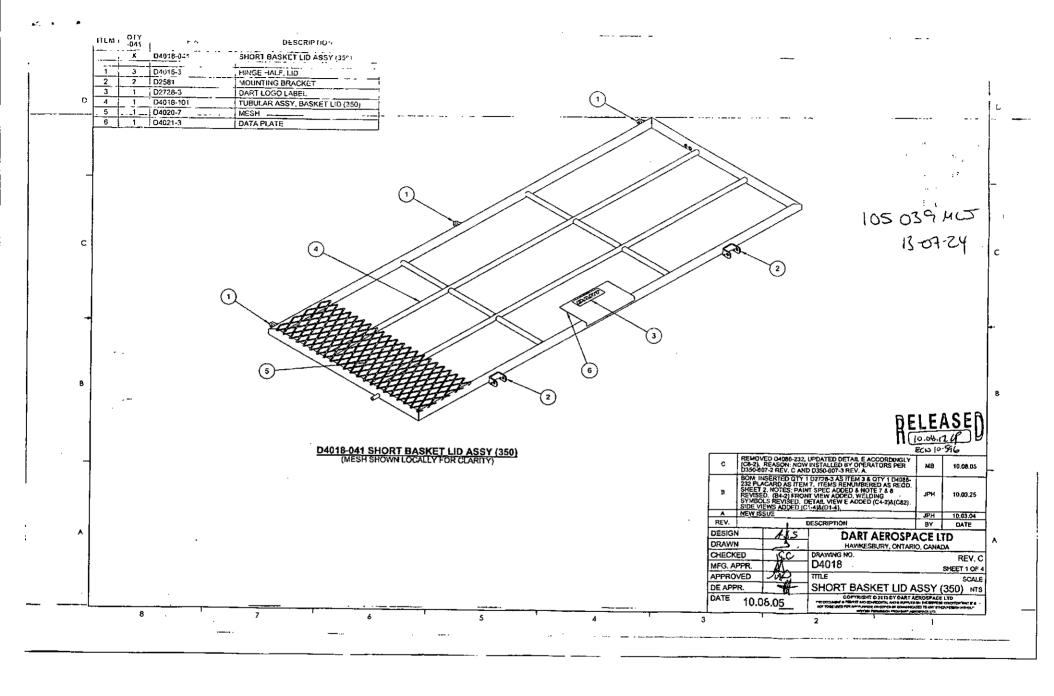
Turning Sequence

Wave/Twist in Tube

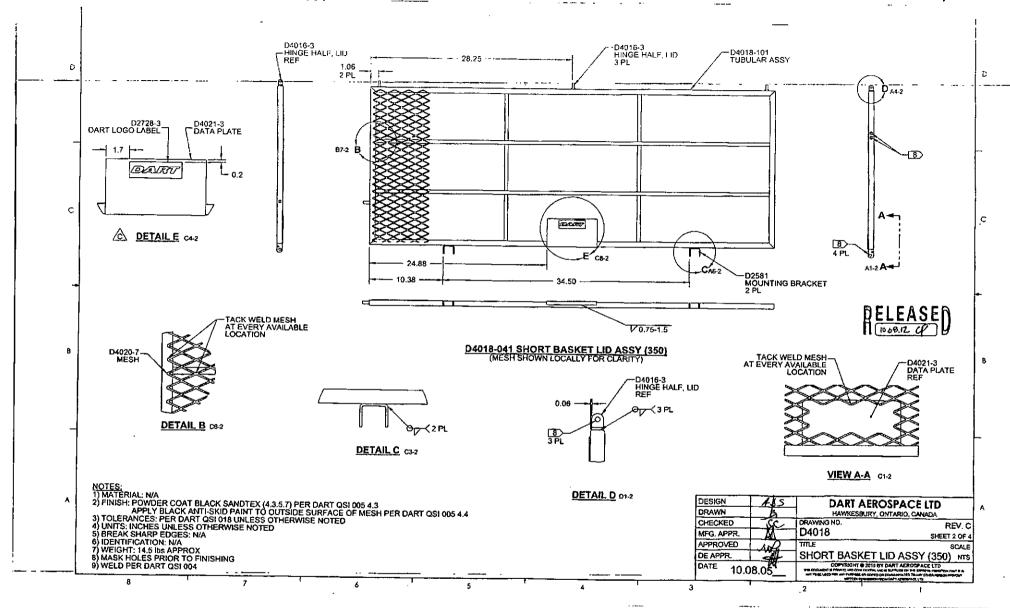
Finish

Folio

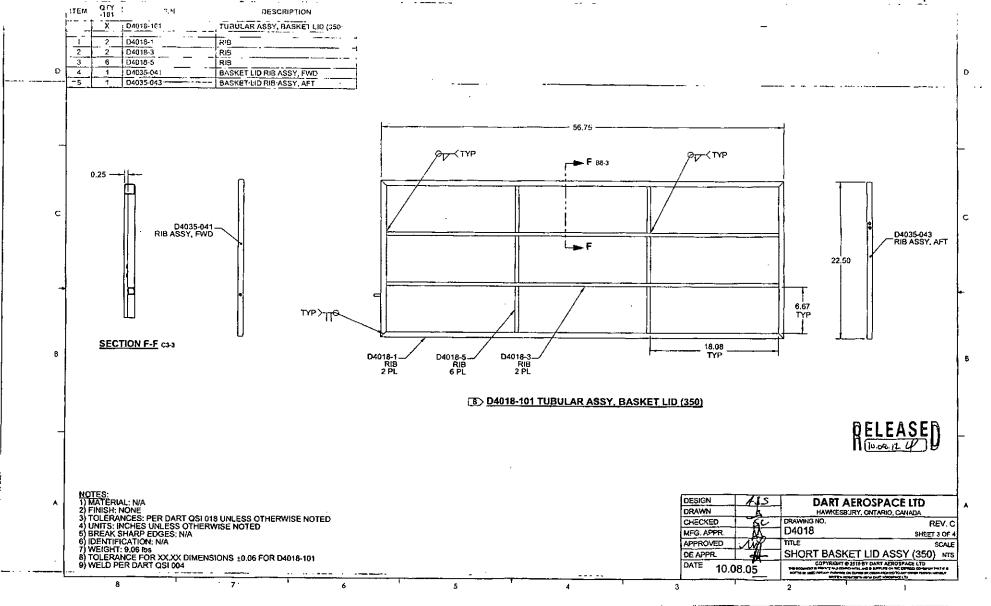
H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G



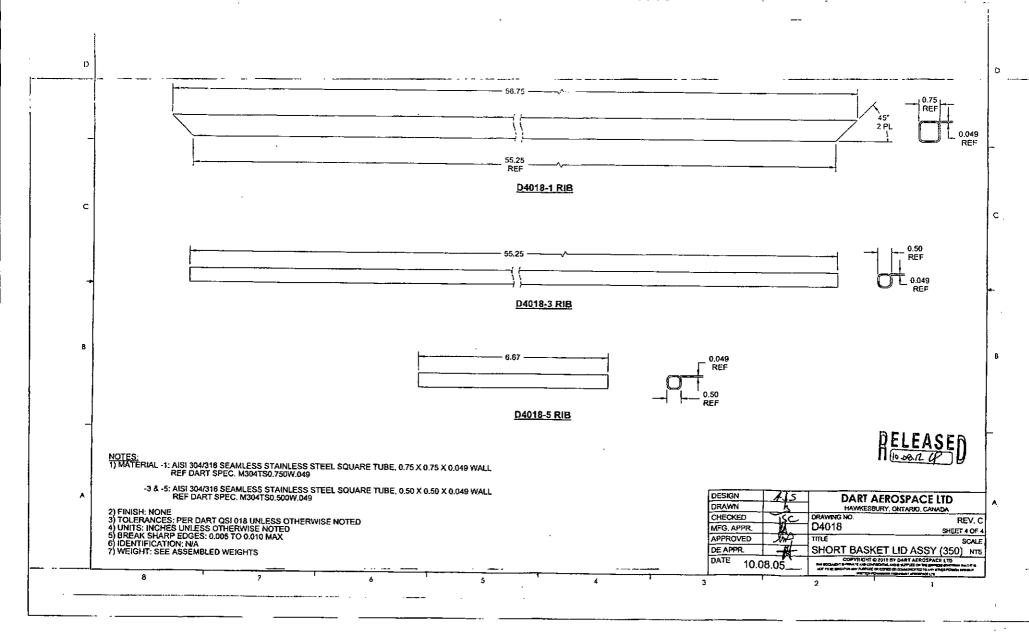
•			
		•	
•			
#the second			



~··			



. e'			
			-
4 7 ⊾ •	-		



		,	
		•	
-			
		•	
:			
•		ž.	· ·
•		**	1
	•		•
		-	
		•	
	•		
		•	
		•	
		•	
•			
	i		
	•		
- v *			